

## ABSTRACT OF THE DISCLOSURE

In a circuit operation verifying method, initialization includes inputting circuit diagram data (a net list), specification information on respective circuit elements, and input data representing waveforms with time of voltages or currents used for operation simulation, and expanding the circuit diagram data to a memory. Operation of a semiconductor circuit to be verified is simulated using the circuit diagram data and the input data, and momentary voltage/current values at input terminals and the like of the circuit elements are stored in the memory. During the operation simulation, whether or not the circuit elements satisfy their voltage/current specifications and time specifications are concurrently verified based on the voltage/current values stored in the memory.